



CALL FOR PAPERS

The 10th International Conference on Control, Automation, Robotics and Vision, ICARCV 2008, will be held in Hanoi from 17 - 20 December 2008. The conference is co-organised by the Nanyang Technological University of Singapore and Vietnamese Academy of Science and Technology. ICARCV focuses on both theory and applications mainly covering the topics of control, automation, robotics and vision. In addition to the technical sessions, there will be invited sessions and keynote addresses.

The Proceedings of ICARCV are indexed by ISI Proceedings, EI Compendex and included in the IEEE Xplore.

The topics of interest include, but are not limited to:

Control: Adaptive control; Robust control; Process control; Complex systems; Co-operative control; Identification and estimation; Nonlinear systems; Intelligent systems; Discrete event systems; Hybrid systems; Networked control systems; Sensor network systems; Delay systems; Neural networks; Fuzzy systems; Control of biological systems; Precision motion control; Control applications; Control engineering education.

Automation: Man-machine interactions; Process automation; Intelligent automation; Factory modeling and simulation; Home, laboratory and service automation; Network-based systems; Planning, scheduling and coordination; Nano-scale automation and assembly; Instrumentation systems; Biomedical instrumentation and applications.

Robotics: Modeling and identification; Robot control; Mobile robotics; Mobile sensor networks; Perception systems; Micro robots and micro-manipulation; Visual servoing; Search, rescue and field robotics; Robot sensing and data fusion; Localization, navigation and mapping; Dexterous manipulation; Medical robots and bio-robotics; Human centered systems; Space and underwater robots; Tele-robotics; Mechanism design and applications.

Vision: Image/video analysis; Feature extraction, grouping and segmentation; Scene analysis; Pattern recognition; Learning in vision; Human-computer interaction; Tracking and surveillance; Biometrics; Biomedical Image analysis; Activity/behaviour recognition; Applications.

Best Paper Award: Selection of the best paper will be made at the Conference based on both the technical content and presentation. The winner will be chosen by the Technical Program Committee in consultation with the International Advisory Committee.

Paper Submission:

Papers must be written in English and should describe original work in detail. Please download the template from the conference website and submit the full papers online <http://www.icarcv.org> by **1 April, 2008**. Upon acceptance, authors will be required to register and present their papers.

Invited Sessions:

The Technical Program Committee is soliciting proposals for invited sessions focusing on topics of ICARCV 2008. Prospective organisers should submit proposals to the Organizing Committee by **1 March, 2008**. Invited sessions are to provide a forum for focused discussions on new topics, or innovative applications of established approaches.

Post Conference Tour:

A post conference tour to Ha Long Bay, a beautiful nature sight in Vietnam, will be organized. Ha Long Bay is a UNESCO World Natural Heritage Site and it is also used as an example for nomination as one of the New Seven Wonders of Nature in the World.

Organisers

- School of Electrical & Electronic Engineering, Nanyang Technological University
- Institute of Information Technology, Vietnamese Academy of Science & Technology

Technical Sponsors

- IEEE Control Systems Society
 - IEEE Computational Intelligence Society
 - IEEE Robotics and Automation Society **
 - IEEE Systems, Man and Cybernetics ** Society
- (** To be confirmed)

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- Parent, Michel; France
- Polycarpou, Marios M. ; Cyprus
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- Samad, Tariq; USA
- Sanderson; Arthur C.; USA
- Slotine, Jean-Jacques E; USA
- Tarn, Tzyh-Jong; USA
- Wang, Dan Wei; Singapore
- Zurada, Jacek M; USA

Organising Committee

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- Pham, Minh Tuan (Local Arrangement Chair)
- Wong, Patricia (Secretary)

Important Dates:

Deadline for Full Paper submission	1 April 2008
Deadline for Invited session proposals	1 March 2008
Notification of Acceptance	1 July 2008
Deadline for Final Manuscript Submission	1 September 2008
Deadline for Authors' Registration	1 September 2008

For further information about ICARCV2008, please refer to

Website - <http://www.icarcv.org>; Email - secretariat@icarcv.org